RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/709,577

Source: TWO

Date Processed by STIC: 12-29-04

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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

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1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 05/17/04

IFWO

RAW SEQUENCE LISTING   DATE: 12/29/2004
PATENT APPLICATION: US/10/709,577   TIME: 16:28:56

Input Set : **N:\KEISHA\SEQ_LIST.txt**
Output Set: **N:\CRF4\12282004\J709577.raw**

```
      3 <110> APPLICANT: ROSETTA GENOMICS LTD
      5 <120> TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY
      6       OLIGONUCLEOTIDES AND USES THEREOF
      8 <130> FILE REFERENCE: 50015
C-->  10 <140> CURRENT APPLICATION NUMBER: US/10/709,577
C-->  10 <141> CURRENT FILING DATE: 2004-05-14
     10 <160> NUMBER OF SEQ ID NOS: 10068177
     12 <170> SOFTWARE: PatentIn version 3.2


ERRORED SEQUENCES

     17813615 <210> SEQ ID NO: 1979290
     17813616 <211> LENGTH: 22
     17813617 <212> TYPE: RNA
     17813618 <213> ORGANISM: Homo sapiens
     17813620 <400> SEQUENCE: 1979290
E-->17813621 cccugcaccu gcnuuguccc ug                                  22
     17815973 <210> SEQ ID NO: 1979552
     17815974 <211> LENGTH: 16
     17815975 <212> TYPE: RNA
    ·17815976 <213> ORGANISM: Homo sapiens
     17815978 <400> SEQUENCE: 1979552
E-->17815979 ccugcuugu cccugg                                          16
     18088277 <210> SEQ ID NO: 2009808
     18088278 <211> LENGTH: 23
     18088279 <212> TYPE: RNA
     18088280 <213> ORGANISM: Homo sapiens
     18088282 <400> SEQUENCE: 2009808
E-->18088283 ucccugcacc ugcnuuguccc cug                                23
     18339962 <210> SEQ ID NO: 2037773
     18339963 <211> LENGTH: 19
     18339964 <212> TYPE: RNA
     18339965 <213> ORGANISM: Homo sapiens
     18339967 <400> SEQUENCE: 2037773
E-->18339968 ugcaccugcn uugucccug                                      19
     18418703 <210> SEQ ID NO: 2046522
     18418704 <211> LENGTH: 20
     18418705 <212> TYPE: RNA
     18418706 <213> ORGANISM: Homo sapiens
     18418708 <400> SEQUENCE: 2046522
E-->18418709 ugcaccugcn uugucccugg                                     20
     18440609 <210> SEQ ID NO: 2048956
```

Handwritten annotations: (pg. 4-5) Does Not Comply Corrected Diskette Needed (pg. 1-3); Pls explain "N" location. Pls explain "N" location. Pls see error explanation on page 4. Same error. Same error. Same error.

RAW SEQUENCE LISTING   DATE: 12/29/2004
PATENT APPLICATION: **US/10/709,577**   TIME: 16:35:00

Input Set : **N:\KEISHA\SEQ_LIST.txt**
Output Set: **N:\CRF4\12282004\J709577.raw**

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  18440610 <211> LENGTH: 23
  18440611 <212> TYPE: RNA
  18440612 <213> ORGANISM: Homo sapiens
  18440614 <400> SEQUENCE: 2048956
E-->18440615 accuanccccc conaccccca gug                          23
  18672062 <210> SEQ ID NO: 2074673
  18672063 <211> LENGTH: 23
  18672064 <212> TYPE: RNA
  18672065 <213> ORGANISM: Homo sapiens
  18672067 <400> SEQUENCE: 2074673
E-->18672068 ccuanccccc cnaccccag ugu                            23
  18774662 <210> SEQ ID NO: 2086073
  18774663 <211> LENGTH: 21
  18774664 <212> TYPE: RNA
  18774665 <213> ORGANISM: Homo sapiens
  18774667 <400> SEQUENCE: 2086073
E-->18774668 cuanccccc naccccagu g                               21
  18824090 <210> SEQ ID NO: 2091565
  18824091 <211> LENGTH: 18
  18824092 <212> TYPE: RNA
  18824093 <213> ORGANISM: Homo sapiens
  18824095 <400> SEQUENCE: 2091565
E-->18824096 acccagnagg gcgucgcu                                 18
  18875498 <210> SEQ ID NO: 2097277
  18875499 <211> LENGTH: 18
  18875500 <212> TYPE: RNA
  18875501 <213> ORGANISM: Homo sapiens
  18875503 <400> SEQUENCE: 2097277
E-->18875504 gcaccugcnu ugucccug                                 18
  19057568 <210> SEQ ID NO: 2117507
  19057569 <211> LENGTH: 23
  19057570 <212> TYPE: RNA
  19057571 <213> ORGANISM: Homo sapiens
  19057573 <400> SEQUENCE: 2117507
E-->19057574 caccuanccc ccnaccccc agu                            23
  21475994 <210> SEQ ID NO: 2386221
  21475995 <211> LENGTH: 23
  21475996 <212> TYPE: RNA
  21475997 <213> ORGANISM: Homo sapiens
  21475999 <400> SEQUENCE: 2386221
E-->21476000 caccuanccc ccnaccccc agu                            23
  21481646 <210> SEQ ID NO: 2386849
  21481647 <211> LENGTH: 18
  21481648 <212> TYPE: RNA
  21481649 <213> ORGANISM: Homo sapiens
  21481651 <400> SEQUENCE: 2386849
E-->21481652 gcaccugcnu ugucccug                                 18
  21499700 <210> SEQ ID NO: 2388855
  21499701 <211> LENGTH: 18
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[handwritten annotations: "Same error" (multiple, with arrows pointing to E--> lines); "↑ See error explanation on page 4." ; "12/29/04"]

```
                RAW SEQUENCE LISTING            DATE: 12/29/2004
                PATENT APPLICATION:  US/10/709,577    TIME: 16:36:00

                Input Set : N:\KEISHA\SEQ_LIST.txt
                Output Set: N:\CRF4\12282004\J709577.raw

      21499702 <212> TYPE: RNA
      21499703 <213> ORGANISM: Homo sapiens
      21499705 <400> SEQUENCE: 2388855
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      21503282 <210> SEQ ID NO: 2389253
      21503283 <211> LENGTH: 19
      21503284 <212> TYPE: RNA
      21503285 <213> ORGANISM: Homo sapiens
      21503287 <400> SEQUENCE: 2389253
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      21505622 <210> SEQ ID NO: 2389513
      21505623 <211> LENGTH: 23
      21505624 <212> TYPE: RNA
      21505625 <213> ORGANISM: Homo sapiens
      21505627 <400> SEQUENCE: 2389513
E-->21505628 accuanccc ccnacccccca gug                             23
      21506144 <210> SEQ ID NO: 2389571
      21506145 <211> LENGTH: 23
      21506146 <212> TYPE: RNA
      21506147 <213> ORGANISM: Homo sapiens
      21506149 <400> SEQUENCE: 2389571
E-->21506150 ccuanccccc onacccccag ugu                             23
      21508826 <210> SEQ ID NO: 2389869
      21508827 <211> LENGTH: 21
      21508828 <212> TYPE: RNA
      21508829 <213> ORGANISM: Homo sapiens
      21508831 <400> SEQUENCE: 2389869
E-->21508832 cuangccccc nacccccagu g                               21
      21515009 <210> SEQ ID NO: 2390556
      21515010 <211> LENGTH: 23
      21515011 <212> TYPE: RNA
      21515012 <213> ORGANISM: Homo sapiens
      21515014 <400> SEQUENCE: 2390556
E-->21515015 ucccugcacc ugchuugucc cug                             23
      21516827 <210> SEQ ID NO: 2390758
      21516828 <211> LENGTH: 22
      21516829 <212> TYPE: RNA
      21516830 <213> ORGANISM: Homo sapiens
      21516832 <400> SEQUENCE: 2390758
E-->21516833 cccugcaccu gchuuguccc ug                              22
```

(Handwritten annotations:) ALL SAME errors — 18, 19 — See — error explanation on page 4. — The above are global errors throughout sequence.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VARIABLE LOCATION SUMMARY   DATE: 12/29/2004
PATENT APPLICATION: US/10/709,577   TIME: 16:57:12

Input Set : **N:\KEISHA\SEQ_LIST.txt**
Output Set: **N:\CRF4\12282004\J709577.raw**

Use of n's or Xaa's(NEW RULES): *Error explanation ✓*
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

```
Seq#:1979290; N Pos. 13
Seq#:1979552; N Pos. 6
Seq#:2009808; N Pos. 14
Seq#:2037773; N Pos. 10
Seq#:2046522; N Pos. 10
Seq#:2048956; N Pos. 6,13
Seq#:2074673; N Pos. 5,12
Seq#:2086073; N Pos. 4,11
Seq#:2091565; N Pos. 7
Seq#:2097277; N Pos. 9
Seq#:2117507; N Pos. 7,14
Seq#:2386221; N Pos. 7,14
Seq#:2386849; N Pos. 9
Seq#:2388855; N Pos. 7
Seq#:2389253; N Pos. 10
Seq#:2389513; N Pos. 6,13
Seq#:2389571; N Pos. 5,12
Seq#:2389869; N Pos. 4,11
Seq#:2390556; N Pos. 14
Seq#:2390758; N Pos. 13
Seq#:2390808; N Pos. 6
Seq#:2390988; N Pos. 10
Seq#:2703607; N Pos. 6
Seq#:2705297; N Pos. 10
Seq#:2705298; N Pos. 10
Seq#:2717477; N Pos. 14
Seq#:2720693; N Pos. 7,14
Seq#:2721503; N Pos. 9
Seq#:2721971; N Pos. 4,11
Seq#:2725260; N Pos. 7
Seq#:2727513; N Pos. 13
Seq#:2729110; N Pos. 6,13
Seq#:2740193; N Pos. 5,12
Seq#:2768229; N Pos. 6,13
Seq#:2769755; N Pos. 14
Seq#:2787109; N Pos. 13
Seq#:2802493; N Pos. 10
Seq#:2806661; N Pos. 6
Seq#:2807676; N Pos. 9
Seq#:2808860; N Pos. 10
Seq#:2810933; N Pos. 5,12
Seq#:2832366; N Pos. 7
Seq#:2848705; N Pos. 4,11
```

VARIABLE LOCATION SUMMARY   DATE: 12/29/2004
PATENT APPLICATION: **US/10/709,577**   TIME: 16:57:12

Input Set : **N:\KEISHA\SEQ_LIST.txt**
Output Set: **N:\CRF4\12282004\J709577.raw**

```
Seq#:2852806; N Pos. 7,14
Seq#:3859019; N Pos. 6
Seq#:3887440; N Pos. 10
Seq#:3902900; N Pos. 9
Seq#:3907517; N Pos. 10
Seq#:3911848; N Pos. 4,11
Seq#:3921397; N Pos. 6,13
Seq#:3926739; N Pos. 13
```

```
L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:17813621 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1979290
L:17815979 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1979552
L:18088283 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2009808
L:18339968 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2037773
L:18418709 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2046522
L:18440615 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2048956
L:18672068 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2074673
L:18774668 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2086073
L:18824096 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2091565
L:18875504 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2097277
L:19057574 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2117507
L:21476000 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2386221
L:21481652 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2386849
L:21499706 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2388855
L:21503288 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2389253
L:21505628 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2389513
L:21506150 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2389571
L:21508832 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2389869
L:21515015 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2390556
L:21516833 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2390758
L:21517283 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2390808
L:21518903 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2390988
L:24332474 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2703607
L:24347684 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2705297
L:24347693 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2705298
L:24457304 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2717477
L:24486248 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2720693
L:24493538 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2721503
L:24497750 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2721971
L:24527351 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2725260
L:24547628 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2727513
L:24562001 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2729110
L:24661748 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2740193
L:24914072 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2768229
L:24927806 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2769755
L:25083992 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2787109
L:25222448 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2802493
L:25259960 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2806661
L:25269095 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2807676
L:25279751 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2808860
L:25298408 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2810933
L:25491305 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2832366
L:25638356 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2848705
L:25675265 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2852806
L:34731182 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3859019
L:34986971 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3887440
```

VERIFICATION SUMMARY   DATE: 12/29/2004
PATENT APPLICATION: **US/10/709,577**   TIME: 16:57:12

Input Set : **N:\KEISHA\SEQ_LIST.txt**
Output Set: **N:\CRF4\12282004\J709577.raw**

```
L:35126111 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3902900
L:35167664 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3907517
L:35206643 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3911848
L:35292584 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3921397
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